What is claimed is:

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- A substantially purified polypeptide comprising an amino acid sequence selected 1. from the group consisting of SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, SEØ ID NO:12, SEO ID NO:13, SEQ ID NO:14, SEQ ID NO:15, SEQ ID NO:16, and fragments thereof.
- A substantially purified variant having at least 90% amino acid sequence identity to 2. the amino acid sequence of claim 1.
 - An isolated and purified polynucleotide encoding the polypeptide of claim 1. 3.
- An isolated and purified polynucleotide variant having at least 90% polynucleotide 4. sequence identity to the polynucleotide of claim 3.
- An isolated and purified polynucleotide which hybridizes under stringent conditions 5. to the polynucleotide of claim 3.
- 6. An isolated and purified polyplicleotide having a sequence which is complementary to the polynucleotide of claim 3. 20
 - A method for detecting a polynucleotide, the method comprising the steps of: 7.
 - (a) hybridizing the polynucleotide of claim 6 to at least one nucleic acid in a sample, thereby forming a hybridization complex; and
 - detecting the hybridization complex, wherein the presence of the hybridization complex correlates with the presence of the polynucleotide in the sample.
 - The method of claim 7 further comprising amplifying the polynucleotide prior to 8. hybridization.
 - 9. An isolated and purified polynucleotide comprising a polynucleotide sequence selected from the group consisting of SEQ ID NO:17-32 and fragments thereof.
 - 10. An isolated and purified polynucleotide variant having at least 90% polynucleotide

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sequence identity to the polynucleotide of claim 9.

- 11. An isolated and purified polynucleotide having a sequence which is complementary to the polynucleotide of claim 9.
 - 12. An expression vector comprising at least a fragment of the polynucleotide of claim 3.
 - 13. A host cell comprising the expression vector of claim/12.
- 10 14. A method for producing a polypeptide, the method comprising the steps of:
 - a) culturing the host cell of claim 13 under conditions suitable for the expression of the polypeptide; and
 - b) recovering the polypeptide from the host cell culture.
- 15. A pharmaceutical composition comprising the polypeptide of claim 1 in conjunction with a suitable pharmaceutical carrier.
 - 16. A purified antibody which specifically binds to the polypeptide of claim 1.
- 20 17. A purified agonist of the polypeptide of claim 1.
 - 18. A purified antagonist of the polypeptide of claim 1.
- 19. A method for treating or preventing a disorder associated with decreased expression
 25 or activity of HYDRL, the method comprising administering to a subject in need of such treatment an
 effective amount of the pharmaceutical composition of claim 15.
- 20. A method for treating or preventing a disorder associated with increased expression or activity of HYDRL, the method comprising administering to a subject in need of such treatment an effective amount of the antagonist of claim 18.